## RNN Forward Propagation

The food is good

The food is bad

The food is bad

The food is not good

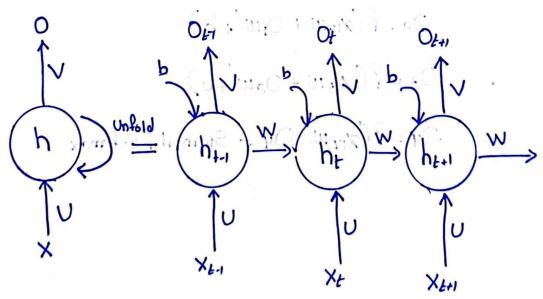
O.

Words -> Vectors

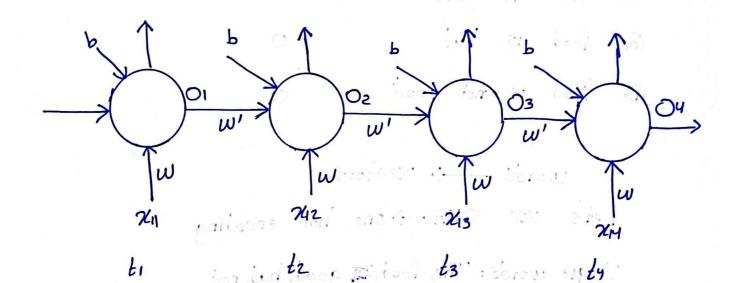
Let's use OHE -> one hot encoding

Unique words: The food, good, bad, not

[[10000][0100][0000][0000]]



The food 18 good 211 242 243 214



College Grand Propagation

$$O_1 = f(\chi_{11}w + b_1)$$

$$O_2 = f(\chi_{12}w + O_1w' + b)$$

$$O_3 = f(\chi_{13}w + O_2w' + b)$$

$$O_4 = f(\chi_{14}w) O_4 - Sigmod / Softmax$$